

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/020091

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 501 955 B1 (DURRANT RANDOLPH L ET AL) 31 December 2002 (2002-12-31) abstract column 3, lines 13-26 column 4, line 61 - column 5, line 10 column 5, lines 30-35 column 5, lines 45-52 column 6, lines 17-26 column 9, lines 26-47 figures 2,3 claims ----- -----	1-34

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "Z" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the international search report
31 August 2005	07/09/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Dejonghe, O

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/028655 A1 (ROSENER DOUGLAS K ET AL) 7 March 2002 (2002-03-07) abstract paragraph '0003! paragraph '0019! paragraph '0038! paragraphs '0041!, '0042! claims 52,56,57	1-34

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Information on patent family members

International Application No
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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
US 6501955	B1	31-12-2002	AU 6674701 A CN 1437828 A GB 2381705 A JP 2004501585 T WO 0199444 A1 US 2002155838 A1 US 2004097190 A1		02-01-2002 20-08-2003 07-05-2003 15-01-2004 27-12-2001 24-10-2002 20-05-2004
US 2002028655	A1	07-03-2002	WO 02052753 A1		04-07-2002